

Madison Summers

Cell Phone: 330-801-3829 Email: summersmadison02@gmail.com Website: <http://madisonsummers02.weebly.com/>

EDUCATION:

Bachelor of Science in Chemical Engineering

Minor in Materials Engineering and Chemistry

University of Cincinnati, Cincinnati, OH

College of Engineering and Applied Science | University Honors Program

Graduation: April 2020

GPA: 3.89/4.0

PROFESSIONAL EXPERIENCE:

Process Engineer Co-op, BASF | Louisville, KY

May-Aug 2019

- Created 3 temporary procedures for sulfuric acid blockage and monitored the implementation of the procedures
- Created 2 formal procedures for sulfuric acid/caustic system in WWTP and edited 3 procedures for various tasks
- Developed control scope and obtained quotes for mechanical scope for flow meter calibration capital project
- Tracked and reported data weekly to upper level management for planned and unplanned downtime for milling assets
- Coordinated with contractors and employees on site to install projects through Management of Change (MOC), helped and improved plant safety, and conducted Pre-Start-up Safety Reviews (PSSR)

Business Co-op, BASF | Cincinnati, Ohio

Dec 2018- May 2019

- Compiled and streamlined 151 Raw material specifications for Quality Approval prior to use within the plant
- Created 3 training tools for new database system in which new raw material and finished product set ups are initiated
- Created and optimized key account customer formulation pricing template to track and maintain quarterly pricing movement
- Worked on a cross functional team to establish 26 new raw materials at an additional production site within North America
- Supported sales on 2 customer visits by offering training services for 2 critical accounts
- Led market analysis and research on competitive information gathering as to product offerings and services

Process Lab Co-op, BASF | Cincinnati, Ohio

May-Aug 2018

- Blended 2 formulations of transportation lubes per week
- Quality Control analysis on transportation lubes and esters consisting of 10 tests per week
- Performed Carbon/Alumina treatment experiment on 5 samples to look at the difference between Color (Garner) and Acid Value
- Applied GHS labeling to laboratory inventory to meet standards for Responsible Care audit

Operations Engineer Co-op, BASF | Greenville, Ohio

Jan-Apr 2017, Aug-Dec 2017

- Prepared and participated in 4 Process Hazard Analyses (PHAs)
 - Verified car seals, reviewed 46 P&ID's, prepared raw material lists, updated Stature and PSE/PSV data sheets
- Created a Posted Work Instruction (PWI) for Symbatch and trained 25 operators across three different shifts
- Created demolition packets to aid contractors in removal of piping by including a line list and pictures
- Coordinated with contractors and employees on site to install projects through Management of Change (MOC), helped and improved plant safety, and conducted Pre-Start-up Safety Reviews (PSSR)
- Led an incident investigation (AIMS review) for a safety hazard within the workplace using Root Cause Analysis

Lab Intern, APV Engineered Coatings | Akron, Ohio

Jun-Aug 2015, May-Aug 2016

- Assisted with research and development of a new coating by creating new samples, making drawdowns, and testing for adhesion
- Utilized W-Flex Tester and CrockMeter to test a new material for coating flexibility
- Gathered Volatile Organic Content (VOC) information from SDSs to update system in CIMPRO (ERP) and old SDSs

TECHNICAL SKILLS:

Microsoft Office (Word, PowerPoint, Excel, Project, Access), SAP, MATLAB, Python, Root Cause Analysis, ABB, Aspen Explorer (PIMS), Active Factory, Visual Basic, DeltaV, Symbatch, Composer, IBM Notes, Safety Information System, Stature, CIMPRO (ERP), Formulator (Formula Management Software), Tensile Tester, Gloss Meter, pH meter Wt/Gal, Zahn cups

ACTIVITIES/VOLUNTEERING:

- American Institute for Chemical Engineers (AIChE): President, Secretary
- Society of Women Engineers (SWE): Secretary, Social Chair
- Tau Beta Pi: The National Engineering Honor Society: President/VP Membership/Treasurer
- Omega Chi Epsilon: The National Honor Society for Chemical Engineering: Secretary
- Engineering Diplomats: WorldFest Chair, Planning Committee Head Co-Chair
- Teaching Assistant | Peer Leader | Honors Ambassador Community Team: Social Committee | Senior Co-op for BASF
- Volunteering Experiences: SAAP, Fall Fiesta, 65 Roses Gala, Freestore Foodbank, Cheers for Tender Years Fundraiser, Music in the Woods, Helping Hands Saturday, Madisonville 5K, Buckhorn Center, Clean up Cincy, Hands Against Hunger